



# AFO komponentleri, stroke/drop foot, AFO-Eklemleri üretim

9. Hafta

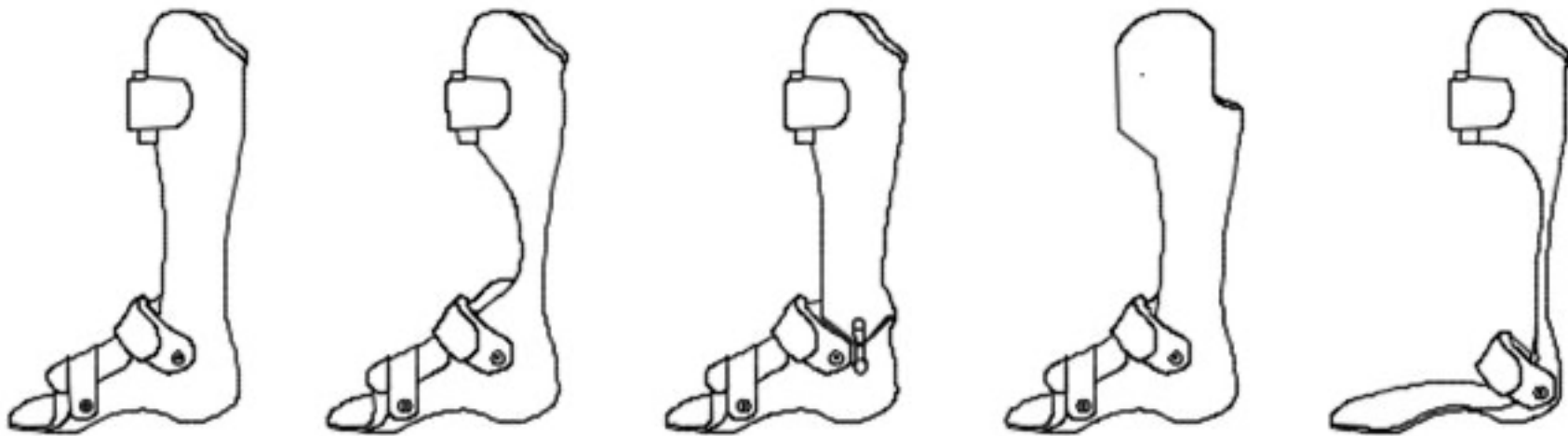
Prof.Dr. Serap ALSANCAK

# Ölçü alma-Model İşleme ve Derin Çekme



# Ölçü alma-Model İşleme ve Derin Çekme





➤ Solid AFO-DAFO-Hinge AFO-GRAFO-PLS AFO



## Farklı AFO Tasarımları

1) ve 2) Ayak bileğini stabil veya sabit tutan AFO (rijit ve semi-rijit).

3) ve 4) Supramalleolar ve Calcaneusu pozisyonlayan Submalleolar FO (termoplastik semi-rigid).

5) ve 6) drop foot için (çelik ve karbon fiber AFO).

7) ve 8) kas tonusunu azaltıcı (termoplastik rigid AFO).



# Alçı Ölçü Yöntemi ve Derin Çekme ile Üretim- CAD Sistemle Ölçü ve CAM Sistemle Üretim

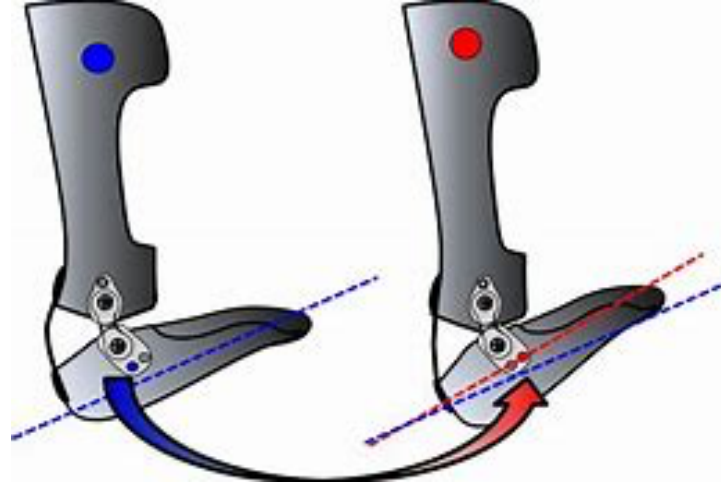
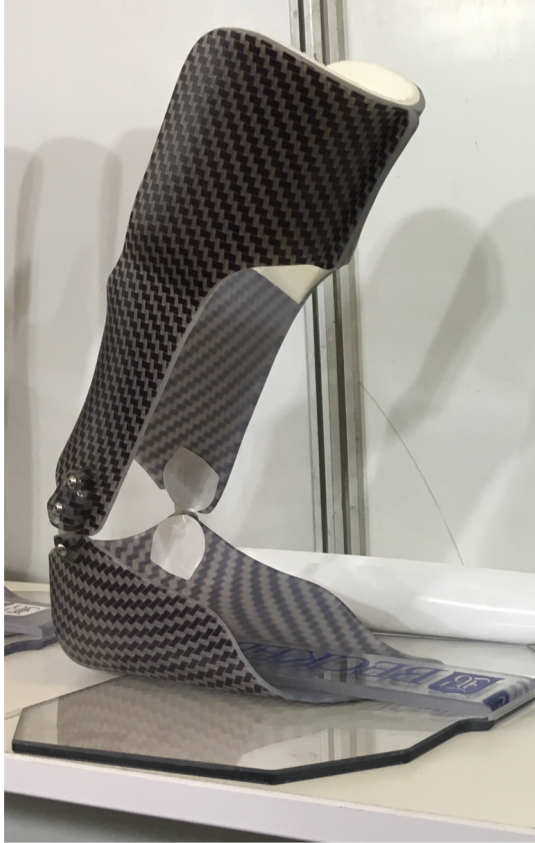




# Farklı ayak bileđi eklemleri ve özellikleri



# Farklı ayak bileđi eklemleri ve özellikleri

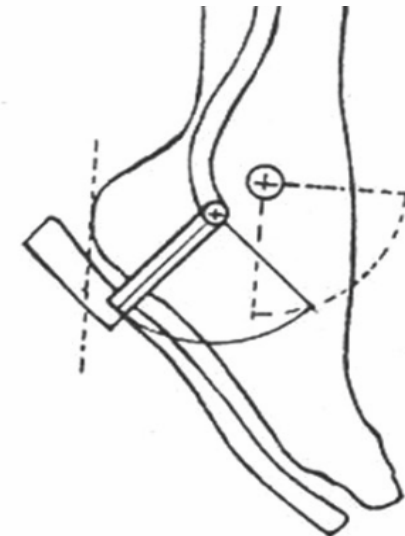
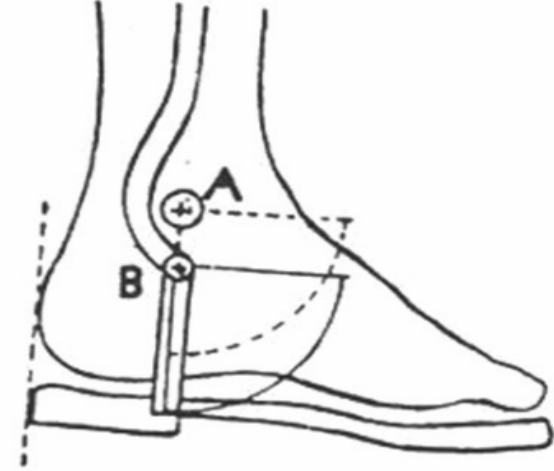
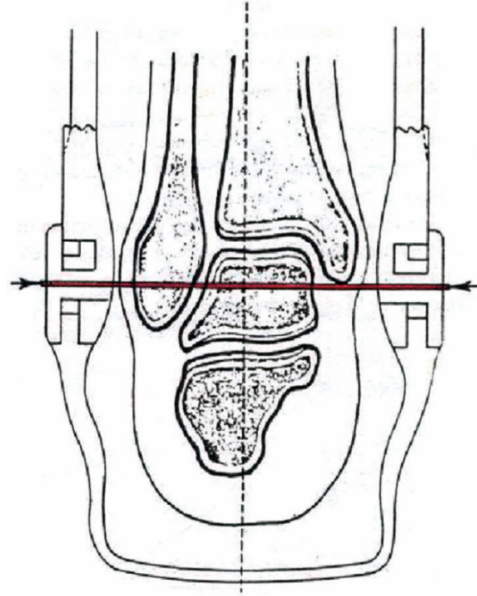


# Materyaller

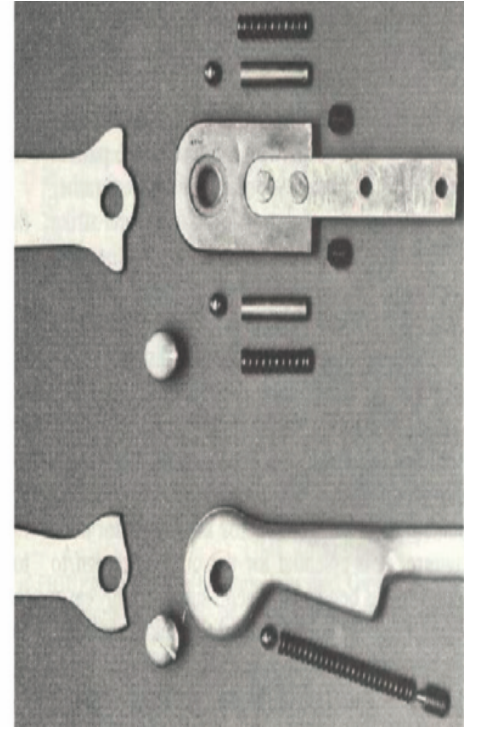
- Polipropilen
- Polietilen
- Copolimer
- Laminasyon



# Mekanik-Anatomik ayak bileđi eklemi yeri ve özellikleri



Klenzak/ Tamarak/  
Ovelop/Gillette/  
Oklahoma/Plantarfeksiyon  
stoplu ayak bileđi  
eklemleri



# Reaktif Modüler Dinamik Breyz



# AFO Servo ... Droop Foot için

- <https://youtu.be/V3C5UMOpdrY>



•Analysis of Minimum Strain Anatomical Lines using Digital Image Correlation and 3D Scanning Technologies as Biomechanical Criteria for Design of Wearable Rehabilitation Devices Manufactured by 3D Printing, Ph.D. Thesis

•Advisor: Francisco Javier Alonso Sánchez; David Rodríguez Salgado; Francisco Romero Sánchez, 2017, DOI: [10.13140/RG.2.2.26123.18724](https://doi.org/10.13140/RG.2.2.26123.18724)